

# Joint Efforts to Facilitate New Science

- There is tremendous potential for synergy between the LP DAAC and ORNL DAAC.
- Research and development should focus on cross- DAAC data bundles/ services
  - Types
    - URLs (simple links to data sources)
    - Predefined data bundles (aka – LBA CDs)
    - Al la carte data bundles (services to “build your own”)
- – Science Themes
  - Land-use/carbon
  - Phenology
- Relevance
  - GEO tasks, NACP, Next Missions, Field Campaigns,

# Phenology

- What are the patterns/processes of green-up/green-down of vegetation?
- Why Cross-DAAC
  - LPDAAC: Remote sensing data
  - ORNLDAAC: Fluxnet data
- Near Term
  - Seasonal to daily; Aster, Landsat, videocam,...; Drivers
  - Develop Phenology working group to advance
  - Identify 6 sites
  - Identify data available
  - Assemble bundles
  - Iterate with UWG
  - Examine regional/continental/global phenology bundles

# Land-use/Carbon

- What is affect of land-use change on carbon stocks and fluxes?
- Why Cross-DAAC?
  - LPDAAC: Remote sensing data
  - ORNLDAAC: Carbon data
- Near Term:
  - Develop data inventory package (CONUS, possibly Alaska)
  - Tier readiness/availability of data/services
  - Tier 1: Validation data (ORNL), Landsat, ASTER, Topo, Soil, Snow/ice, population, map base info
  - Pull data from outside DAACS as well
  - Develop Thematic Guides
  - Target FY12 NASA Work Plan